

QUESTIONS for RFQ No. SRP380-13-Q-0049
Installation of Chiller Plant Manager System and Integration with BMS
at the Chiller Plant Building, Chancery Compound

The following questions were asked during and after the conference. The corresponding replies are hereby provided:

1. Q: The new building with Air Handling Units for monitoring only will be integrated in our BMS workstation. Can the USG provide a complete quantity of those equipment and the DDC points list and descriptions?

A: There is no need to provide the quantity of equipment and DDC points list and descriptions since only the differential pressure sensor will be integrated to the BMS system from the new building. (Refer to attachment #6, Scope of Work, Section 2f, A-002)
2. Q: What will be the communication protocol for item 1 in order for us to provide the proper migration with our supplied system?

A: Since the new building uses Alerton, we shall utilize the Bacnet protocol. (Refer to attachment #6, Scope of Work, Section 2g, A-002)
3. Q: Please confirm if the scope is to integrate the Alerton controllers from the new building and create new graphics for installed equipments.

A: No. Vendor shall provide binary values and analog value points for future BACnet integration to the Alerton software and expansion in the new building. (Refer to attachment #6, Scope of Work, Section 2h, A-002)
4. Q: The USG has a new set of Chiller Equipment as an additional to the existing units. For migration purposes, what is the existing communication protocol for the old chiller units?

A: No specific protocol on the older chiller units. It is proprietary type control system. Vendor to provide or use gateway. (Refer to attachment #6, Scope of Work, Section 2a)
5. Q: What are the specifications of government supplied differential pressure transmitters?

A: The existing sensor signal can accommodate 0-10v or 4-20. (Refer to Technical Specifications for Electronics Systems, Division 17, Section 17970, 2.4d)
6. Q: As part of our staging and storage area, are we going to provide a temfacil or utilize a designated space or room in your facilities?

A: A designated space will be provided by the USG (refer to attachment #6, Scope of Work, Section 8d).

7. Q: Will there be no roughing-ins and cable that will run from the new building going to the chiller plant for AHU integration?

A: NONE.

8. Q: Please confirm that the AHU protocol used is Alerton Bactalk for integration.

A: The USG specified Bacnet protocol which could communicate with Alerton Bactalk. (Refer to Attachment #6, Scope of Work, Section 2g, A-002)

9. Q: Will the old chiller plant manager (which is Microtech / Siebe) be integrated with the new one?

A: Yes. Vendor to provide new control system using Bacnet protocol. (Refer to Attachment #6, Scope of Work, Section 2a & g)

10. Q: How will the old chiller plant be integrated with the new one? What protocol are we going to use (BACNet, Lonworks, Modbus, etc.)?

A: BACNET.

11. Q: In the event that the old plant manager won't be able to integrate using the above protocols, will it be possible to totally replace the old one with the new one covering the entire chiller plant (old and new chillers)?

A: Yes. Provision of new controllers & usage of Bacnet shall be coordinated with FAC. (Refer to Technical Specifications for Electronics Systems, Division 17, Section 17970, Part 1 - 1.1, 1.4-A2)

12. Q: Since the entire system is on a High Level Interface, Are all sensors and devices in place? Are we only providing communication from the chiller plant manager control panel? Please confirm.

A: No. Vendor shall provide new sensors and controllers. (Refer to attachment #6, Scope of Work, Section 9a-iii).

13. Q: In relation to the above, please confirm that temperature and pressure sensors and flow meters are not part of our scope of work, hence these will be supplied and installed by the chiller contractor.

A: It is part of the Scope of Work. (Refer to Attachment #6, Scope of Work, Section 9) However, provision well for these sensors will be provided by another contractor.

14. Q: Please confirm that power monitoring will also be done through High Level Interface and that all power meters are not part of our scope.

A: Power metering is included in the Scope of Work. (Refer to attachment #6, Scope of Work, Section 9a-iii, A-002)

15. Q: Are Differential Pressure Transmitters owner supplied materials and not part of our scope?

A: Yes, it is already existing. For additional information, the sensor signal can accommodate 0-10v or 4-20mA. (Refer to attachment #6, Scope of Work, Section 2f)

16. Q: What is the Brand of Controller for AHU?

A: SEIBE MICROZONE 2 CONTROLLER

17. Q: What are the Brands/Models of existing chillers?

A: MCQUAY CENTRIFUGAL CHILLER, 280TR MODEL #PEH063CCBC

18. Q: How many pumps are to be added?

A: Total of two (2) as follows: one (1) primary pump and one (1) condenser pump

19. Q: What is the current software being used?

A: MICROTECH